ABSTRACT OF THE DISCLOSURE

The identification, isolation and modification of human ERAB or HADH2 is described. A crystal structure of ERAB or HADH2 is described which may be used in the discovery, identification and characterization of inhibitors or modulators of ERAB or HADH2. This structure provides a three-dimensional description of binding sites of ERAB or HADH2 for structure-based design of inhibitors or modulators thereof as therapeutic agents, for example in the treatment of Alzheimer's disease).